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**ABSTRACT**

A converter circuit with short-circuit current protection having a DC voltage circuit (1) is proposed, which DC voltage circuit (1) is formed by a DC voltage circuit subsystem (2.1), the DC voltage circuit subsystem (2.1) having a first energy store (3) and a second energy store (4), which is connected in series with the first energy store (3), and a fuse (5). Furthermore, the converter circuit has at least one pair of branches (6) provided for each phase (R, S, T) and connected in parallel with the DC voltage circuit (1), each pair of branches (6) having power semiconductor switches. In order to achieve a low-inductance converter circuit, the fuse (5) forms the connection between the first energy store (3) and the second energy store (4).

Fig. 1